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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Substitute for form 1449A/PTO | | | |
| | | Complete if Known | | | |
| | | Application Number | 10/644,406 | | |
| | | Filing Date | August 19, 2003 | | |
| | | First Named Inventor | NIEMEYER, GUNTER D. | | |
| | | Art Unit | 2125 | | |
| Sheet | 1 | of | 2 | Examiner Name | Garland |
| | | | | Attorney Docket Number | 017516-002130US |

| U.S. PATENT DOCUMENTS+ | | | | | |
|------------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number Kind Code ² (if known) | | | |
| | 1 | 5,053,976 | 10-01-1991 | Nose et al. | |
| | 2 | 5,631,973 | 05-20-1997 | Green | |
| | 3 | 5,808,665 | 09-15-1998 | Green | |
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| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | 4 | WO | 97/29690 | | 08-21-1997 | Computer Motion, Inc. | | <input type="checkbox"/> |
| | 5 | WO | 97/43942 | | 11-27-1997 | Intuitive Surgical, Inc. | | <input type="checkbox"/> |
| | 6 | WO | 97/43943 | | 11-27-1997 | Intuitive Surgical, Inc. | | <input type="checkbox"/> |
| | | | | | | | | <input type="checkbox"/> |

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| Examiner Signature | | Date Considered | |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
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| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | Complete if Known | | |
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| | | | First Named Inventor | NIEMEYER, GUNTER D. | |
| | | | Art Unit | 2125 | |
| | | | Examiner Name | Garland | |
| Sheet | 2 | of | 2 | Attorney Docket Number | 017516-002130US |

| NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | 7 | BAUMANN, Thesis No. 1734 entitled "Haptic interface for virtual reality based laparoscopic surgery training environment" for Master of Science in Computer and Systems Engineering, Rensselaer Polytechnic Institute, USA (1997) pp. 98-103. | |
| | 8 | KOMADA et al. "Bilateral robot hand based on estimated force feedback" Proceedings IECON '87, Cambridge, MA, November 3-6, 1987, pp. 602-607. | |
| | 9 | LAZAREVIC, "Feasibility of a Stewart Platform with Fixed Actuators as a Platform for CABG Surgery Device" Master's Thesis, Columbia University, Department of Bioengineering, pp. 1-45 | |
| | 10 | MADHANI, Dissertation entitled Design of Teleoperated Surgical Instruments for Minimally Invasive Surgery, Mass. Institute of Tech. (©Feb. 1998) | |
| | 11 | NEISUS et al., "Robotic manipulator for endoscopic handling of surgical effectors and cameras," 1st Intl. Symposium on Medical Robotics and Computer Assisted Surgery, Workshop (Part I & II)--Session VI, Pittsburgh, Pennsylvania (Sep. 22-24, 1994) vol. 2, pp. 169-175. | |
| | 12 | THRING, "Robots and telechairs: Manipulators with memory; remote manipulators; machine limbs for the handicapped" (1993) M.W. Thring/Ellis Horwood Ltd. pp. 9-11, 122-131, 194-195, 235-257, 274-279 | |
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| Examiner Signature | | Date Considered | |
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